

INDEX TO VOLUME 20

A

- Abnormality, congenital, aorta, coarctation of, in a child with arrested subacute bacterial endarteritis, and a calcified mycotic aneurysm at the seat of stricture, 357
complete, of, 106
dextrocardia, galvanometric potentials of extremities and of thorax in, 322
ductus arteriosus, patent, 236
use of heparin in treating case of subacute bacterial endocarditis, 783*
septum, interauricular, defect of, 644*
- Acetyl- β -methylcholine chloride, paroxysmal tachycardia in a child, treated with, 111
- Acetyl choline, in relation to cardiac function, 120*
- Adams, W. E., and Escuder, L., 119*
- Adults, aspects, clinical of rheumatic fever in, 777*
- Agress, Harry, and Smith, M. G., 382*
- Allen, Edgar V., Kvale, W. F., and Smith, L. A., 250*
- Allen, Philip D., 248*
- Allergy, cold, histaminase in treatment of, 127*
- Altschule, Mark D., and Budnitz, E., 247,* 647*
- , Volk, M. C., and Henstell, H., 643*
- American Heart Association, announcement, 128
- Aminophyllin (*see* theophylline ethylenediamine)
- Amputation, for peripheral vascular disease, 125*
- Anastomosis, arteriovenous, role of, in peripheral vascular disease, 539
- Anemia, splenic, 780*
- Anesthesia, coronary arteries in relation to sudden death during, 510*
cyclopropane, 258* (B. rev.)
sodium thiopentobarbital and sodium pentobarbital, toxicity of digitalis and ouabain in animals under, 329
- Aneurysm, aortic, abdominal, mycotic, dissecting, 509*
diagnosis, differential, of mediastinal tumor and, value of contrast cardiovascular visualization, 659*
thoracic and abdominal, luetic meso-aortitis with, 781*
cardiac, report of ten cases, 775*
dissecting, 223
- Aneurysm, dissecting, Cont'd—
of aorta, 380,* 381*
with experimental atherosclerosis, 509*
mycotic, calcified, at seat of stricture of coarctation of aorta in a child with subacute bacterial endocarditis, 357
- Angiitis, active, in extremities, effect of estrogens on vascular spasm due to, 250*
infectious, experimental, 382*
- Angina pectoris, incompatibility between congestive heart failure and, 123*
mitral stenosis as cause of, 492
novocain infiltration of stellate ganglion in, 502*
scapular atrophy and, 377*
- Antopol, William, Boas, E. P., Levinson, W., and Tuchman, L. R., 546*
- Aorta, abdominal aneurysm, mycotic, dissecting, of, 509*
occlusion, complete of, 510*
thrombosis of, 781*
aneurysm, dissecting of, 380,* 381*
with experimental atherosclerosis, 509*
coarctation of, complete of, 106
in a child with arrested subacute bacterial endocarditis and a calcified mycotic aneurysm at the seat of stricture, 357
degeneration, chromatrophic, and rupture of, following thyroidectomy in cases of hypertension, 599
thoracic and abdominal, aneurysm of, luetic meso-aortitis with, 781*
- Aortitis, syphilitic, coronary embolism: a complication of, 509*
incidence of in a representative municipal hospital, 340
with aneurysm of thoracic and abdominal aorta, 781*
- Armstrong, T. G., 505*
- Arrighi, Federico P., 643*
- Arsphenamine, administration of, myocarditis, acute interstitial, following, 651*
- Arterioles, changes, structural, in, of myocardium in diffuse arteriolar disease with hypertension group 4, 779*
disease, diffuse, of, structural changes, in arterioles of myocardium in, with hypertension group 4, 779*
- Arteritis, of temporal vessels, 509*
- Artery, brachial, thrombosis, traumatic of, treatment of, by intermittent venous occlusion, 257*

Artery, Cont'd—

- coronary, comparison of vasodilator activity of certain alkyl xanthines, 781*
- disease of, pneumothorax, spontaneous simulating, 645*
- I. Relation of coronary sclerosis to heart weight and to right and left ventricular hypertrophy, 125*
- terminal cardiac mechanism in, 637
- embolism of, a complication of syphilitic aortitis, 509*
- in relation to sudden death during anesthesia, 510*
- left, circumflex branch of, effect of distention of abdominal viscera on blood flow in, of dog, 519
- occlusion, sudden of, effect of intravenous administration of quinidine sulfate on development of ventricular fibrillation following, 620
- registration and interpretation of normal phasic inflow into, by an improved differential manometric method, 510*
- occlusion of, delayed electrocardiographic changes in, 646*
- diagnosis of, and myocardial infarction by fluoroscopic examination, 475
- pain, prodromal, in, 141
- relation of, anatomic pattern to pathologic conditions of, 252*
- relationship between differential pressure and blood flow in, 382*
- right and left, active, simultaneous, of certain drugs on blood pressure and on flow in, 557
- sclerosis of, relation of, to heart weight and to right and left ventricular hypertrophy, 125*
- thrombosis of, survival, long following, 634
- disease, occlusive of, treatment, conservative of, 124*
- large and small, reaction of, in man to vasoconstrictor stimuli, 380*
- muscle of, sensitivity, increased of, in prehypertensive phase of experimental renal hypertension, 116*
- pulmonary, embolism of, ante-mortem diagnosis of, 253*
- following injection treatment of varicose veins, 256*
- thrombosis postoperative venous, 252*
- syphilis of, 504*
- retinal, changes in, correlation study between, electrocardiographic alterations and radiologic

Artery, retinal, Cont'd—

- heart size in essential hypertension, 248*
 - temporal, arteritis of, 509*
 - Arthritis, rheumatoid, nodules, subcutaneous, of and rheumatic fever, 247*
 - Ascorbic acid, action of, on heart experimental studies on, 501*
 - Asmussen, Erling, 773*
 - Asthenia, neurocirculatory (soldier's heart), hypothermia, relation to, 774*
 - Atrophy, of scapular region and angina pectoris, 377*
 - Aubone, A. Castro, Cossio, P., and Marra, y R. R., 120*
 - Auricle, left, capacity of 1,695 grams of blood in a case of mitral stenosis, 627
 - Ayer, Wardner D., Ecker, A. D., and O'Connor, F. J., 256*
 - Ayman, Daniel, and Goldshine, A. D., 778*
- B
- Baer, Samuel, and Isard, H. J., 377*
 - Baker, T. W., 127*
 - Baldes, Edward J., Hausner, E., Essex, H. E., and Herrick, J. F., 773*
 - Ballenger, Joseph, and Saphir, O., 778*
 - Banti's syndrome (*see* anemia, splenic)
 - Barnes, Arlie R., and Deeds, D., 261
 - Batterman, Robert C., and Brightman, I. J., 511*
 - , Rose, O. A., and DeGraff, A. C., 443
 - Battle, F. F., and Moia, B., 244*
 - Bauer, Walter, Bennett, G. A., and Zeller, J. W., 247*
 - Bayley, Robert H., and Holland, L. F., 223
 - Bean, William Bennett, and Spies, T. D., 62
 - Beck, William C., Scupham, G. W., de-Takáts G., and Van Dellen, T. R., 641*
 - Bennett, Granville A., Zeller, J. W., and Bauer, W., 247*
 - Berk, J. Edward, 375*
 - Bierman, William, Friedlander, M., and Silbert, S., 255*
 - Bile, effect of, and bile salts on innervated and denervated heart, 486
 - Blackford, L. Minor, 492
 - Blood, flow of, action, simultaneous, of certain drugs on blood pressure and on, on right and left coronary arteries, 557
 - coronary, control of, in heart-lung preparation, 773*
 - measured under a constant perfusion pressure, effect of viscosity, ischemia, cardiac output, and aortic pressure on, 382*

Blood flow, Cont'd—

- effect of distention of abdominal viscera on, in circumflex branch, of left coronary artery of dog, 519
- obstruction of, to and from heart, disturbances in circulation and respiration in, 119*
- peripheral, of effect of aminophyllin on, 205
- in hyperthyroidism, 715
- phasic, normal, registration and interpretation of, into left coronary artery by an improved differential manometric method, 510*
- relationship between differential pressure and, in a coronary artery, 382*
- speed of, in arteries and in veins of man, 250*
- venous, 516 (B. rev.)
- pressure, action, simultaneous of certain drugs on, and on flow in right and left coronary arteries, 557
- aortic, effects of, on coronary blood flow under a constant perfusion pressure, 382*
- increased, changes in coronary circulation following augmented cardiac output, ischemia and valve lesions, 251*
- arterial, in cases of auricular fibrillation, measured directly, 643*
- determinations of, in patients with essential hypertension. I. Difference between clinic and home readings before treatment, 778*
- difference, in between two arms, left-sided weakness and left optic atrophy, 648*
- differential, relationship between, and blood flow in a coronary artery, 382*
- effect of transplanted ischemic kidneys and of temporary complete renal ischemia upon, of rabbits, 525
- depressor of spleno-reno-pxy on hypertension due to renal ischemia, 642*
- various agents on, of renal hypertensive dogs, 507*
- increase of, by perfusion of ischemic kidneys of hypertensive dogs, 118*
- normal and abnormal, among university students, including the cold-pressor test, 89*
- pressor responses following short complete renal ischemia; characteristics, mechanism, specificity for kidney, 641*
- reduction of, of hypertensive dogs by administration of renal extract, 507*

Blood pressure, Cont'd—

- rise in, observation upon pressor substances causing, following termination of temporary complete renal ischemia, 773*
- systemic, low, do carotid sinuses exert a pressor activity on? 379*
- variation of, with brief voluntary muscular contractions, 375*
- venous, measurement of, use of exercise test in connection with for detection of venous obstruction in upper and lower extremities, 308
- in man, eliminating the hydrostatic factor, 642*
- significance of, registered by clinical methods: IV. Modification in normal subject following reflex stimulations, thermal and mechanical, 505*
- V. Existence of reflex venous zone in region of superior vena cava, 507*
- studies during Valsalva's experiment, 515 (B. rev.)
- serum of, electrolytes of, in hypertension, 119*
- vessels, abnormality, congenital of, use of heparin in treating case of subacute bacterial endocarditis with, 783*
- constriction of, in renal hypertension abolished by pithing, 378*
- spasm of, due to active angitis in extremities, effect of estrogens on, 250*
- relief of, rationale and technic of sympathectomy for, of extremities, 257*
- treatment surgical, of heparin in, 249*
- volume of, effect of exercise on, 254*
- Bloom, Nathan, 769
- Bloomfield, Arthur L., 501*
- Blumenthal, Basil, and Reisinger, J. A., 141
- Boas, Ernst P., Antopol, W., Levison, W., and Tuchman, L. R., 546
- Body, build of, and hypertension, 506*
- hypertension and obesity, 121*
- temperature of, regulation of, adjustment of peripheral vascular tone to requirement of, 117*
- subnormal of, relation to neurocirculatory asthenia, 774*
- van Bogaert, Adalbert, and Tombeur, A., 377*
- Book Reviews: Acute myocarditis, 515
- Clinical heart disease, 514
- Cyclopropane anesthesia, 258
- Electrocardiograms on congenital heart disease, 257
- Electrocardiography, 513
- Illustrative electrocardiography, 387
- La circulation de Retour, 516

Book Reviews, Cont'd—

- Manual of peripheral vascular disorders, 514
- Phonocardiographic and hemodynamic studies in pregnant women and fetu during last months of normal pregnancy, 515
- Roentgen diagnosis of the heart and great vessels, 384
- Studies on venous pressure during Valsalva's experiment, 515
- The soldier's heart and effort syndrome, 513
- Bouckaert, J. J., Grimson, K. S., and Heymans, C., 118*
- Bourne, Geoffrey, 645*, 651*
- Bowers, James M., 509*
- Boyd, Linn J., and Scherf, D., 121*
- Boyer, Paul K., and Poindexter, C. A., 586
- Braun-Menéndez, Eduardo, Fasciolo, J. C., LeLoir, L. F., and Muñoz, J. M., 648*
- Brightman, I. Jay, and Batterman, R. C., 511*
- Britton, James A., Sutton, F. C., and Carr, J. G., 423
- Brown, Clark E., and McNamara, D. H., 651*
- Brown, Edward E., and Wasson, V. P., 1
- Brown, Lewis T., Ogden, E., and Page, E. W., 117*
- Brown, Morton G., and Wolff, L., 776*
- Bruce, Marshall, and Robinson, S. C., 121*, 506*
- Bruck, Max, 504*
- Buehbinder, W. C., and Sugarman, H., 643*
- Budnitz, Edward, and Altschule, M. D., 247*, 647*
- Bunim, Joseph J., 381*
- Burstein, Julius, 387
- Burton, A. C., and Taylor, R. M., 117*
- Byer, Jacob, Harpuder, K., and Stein, I. D., 539
- C
- Cardiocairogram, examination of heart and lungs by, 195
- Cardioroentgenology, atlas of, 652 (B. rev.)
- Cardiovascular system, in pulmonary tuberculosis, 345
- observations on, in myasthenia gravis, 611
- visualization, contrast, value of, in differential diagnosis of mediastinal tumor and aortic aneurysm, 650*
- Carotid sinus, reflex, vasomotor, of, influence of benzedrine, N-methyl-tetrahydroisoquinoline, histamine, peptone and anaphylactic shock upon, 118*
- Carr, James G., Sutton, F. C., and Britton, J. A., 423
- Castleman, Benjamin, Palmer, R. S., Chute, R., and Crone, N. L., 649*
- Cathode ray, use of, for recording heart sounds and vibrations, 667
- Cattell, McKeen, Gold, H., and Kwit, N. T., 782*
- Chest, wall of, cooling, local of, changes in electrocardiogram due to, 377*
- Child, coarctation of aorta in, with arrested subacute bacterial endocarditis and a calcified mycotic aneurysm at the seat of stricture, 357
- heart, configuration, unusual of, in a, 762
- Children, rheumatic, studies on auriculoventricular conduction time of normal children and on, without signs of rheumatic activity, 573
- Chute, Richard, Palmer, R. S., Crone, N. L., and Castleman, B., 649*
- Circulation, capacity, functional, of, estimation of, by means of oxygen debt studies, 423
- coronary, changes in, following increased aortic pressure, augmented cardiac output, ischemia, and valve lesion, 251*
- disturbances in, and respiration in obstruction of blood flow to and from the heart, 119*
- effect on, of venom of Indian cobra, 782*
- failure of, of capillary origin, 255*
- hemodynamics of, effect of application of tourniquet on, 254*
- peripheral, disturbance of, prostigmine in treatment of, 257*
- by photoelectric recording, 376*
- reactions of, in gastrointestinal tract elicited by localized cutaneous stimulation, 743
- regulation of, in skin and muscles of lower extremities, 255*
- time of (magnesium sulphate method), in diagnosis of peripheral vascular disease, 375*
- value of ether method in diagnosis of right heart failure, 377*
- Clawson, B. J., 454
- Cobra, venom of, circulatory effect of, 782*
- Coelho, Eduardo, deCosta, F., and de Oliveira, A., 502*
- , and deOliveira, A., 503*, 504*
- Cogswell, H. D., and Shirley, C., 257*
- , and Thomas, C. A., 257*
- Cold, allergy to, histaminase in treatment of, 127*
- Cold-pressor test, blood pressures normal and abnormal, among university students, including, 89

- Collins, Dean A., and Hamilton, A. S., 641*
- Combs, Stuart R., and Kampmeier, R. H., 777*
- Comeau, Wilfred J., Foote, S. A., Jr., Reed, W. C., and White, P. D., 255*
- Conduction system (*see* Heart, conduction system of)
- Convulsions, metrazol-induced, electrocardiographic changes following, 702
- Cooke, W. Trevor, Taquini, A. C., and Schwab, R. S., 611
- Cookson, Howard N., Crimm, P. D., and McDonald, J. D., 646*
- Corrigendum, 105, 235, 383, 783
- Cossio, P., Aubone, A. Castro, and Marra, y R. R., 120*
- deCosta, Filipe, Coelho, E., and de-Oliveira, A., 502*
- Crabtree, E. Granville, 648*
- Cranium pressure in, increased, attributed to venous obstruction, beneficial effect of upright posture, 256*
- Crawford, J. Hamilton, and Hollander, A. G., 762
- Crimm, Paul D., McDonald, J. D., and Cookson, H. N., 646*
- Crone, Neil L., Palmer, R. S., Chute, R., and Castleman, B., 648*
- Culp, Ormond S., 252*
- Cyclopropane anesthesia, 258 (B. rev.)
- D
- Dack, Simon, Master, A. M., Gubner, R., and Jaffe, H. L., 475
- , —, Kalter, H., and Jaffe, H. L., 186
- Davis, David, and Klainer, M. J., 98
- Davis, John S., Jr., 503*
- Dean, G. O., and Dulin, J. W., 256*
- Death, sudden, during anesthesia, coronary arteries in relation to, 510*
- DeBakey, Michael, and Ochsner, A., 126,* 649*
- Deeds, Douglas, and Barnes, A. R., 261
- DeGraff, Arthur C., Batterman, R. C., and Rose, O. A., 443
- Dermatomyositis and systemic lupus erythematosus:
- I. A clinical report of "transitional" cases with a consideration of lead as a possible etiologic factor, 508*
- II. A comparative study of the essential clinicopathologic features, 508*
- Dextrocardia, congenital, galvanometric potentials of extremities and of thorax in, 322
- DeWesselow, O. L. V. S., and Thomson, W. A. R., 119*
- Diabetes, mellitus, gangrene associated with, 250*
- necrobiosis lipoid, 779*
- Digitalis, action of, in heart failure with normal rhythm, 127*
- effect, spontaneous, of, following rapid diuresis in congestive heart failure, 512*
- glucoside purified of, studies in. I. Potency and dosage of "Digitaline Nativelle" by oral administration in man, 782*
- influence of, on electrolyte and water balance of heart muscle, 586
- toxicity of, and ouabain, in animals under sodium thiopentobarbital and sodium pentobarbital anesthesia, 329
- use combined of, ouabain and, in treatment of congestive heart failure, 443
- Dillon, John B., and Hertzman, A. B., 245,* 386,* 750
- Dingle, Janet T., Kent, G. T., Williams, L. L., and Wiggers, C. J., 380*
- Diuresis, rapid, redigitalization spontaneous, in congestive heart failure following, 512*
- Diuretics, administration, rectal of, treatment of edema by, 511*
- Dock, W., 378*
- Drake, E. H., 634
- Drake, Miles E., Gruber, C. M., and Haury, V. G., 329
- Dressler, Wilhelm, and Pfeiffer, R., 775*
- Drinker, Cecil K., Warren, M. F., Maurer, F. W., and McCarrrell, J. D., 253*
- Drummond, C. I., 646*
- Drury, D. R., Prinzmetal, M., Lewis, H. A., Taggart, J., and Wilkins, H., 525
- Ductus arteriosus, patent, ariombosis, noninfectious of, 236
- use of heparin in treating case of subacute bacterial endocarditis with, 783*
- Dulin, J. W., and Dean, G. O., 256*
- Dysphagia, with disorders of heart and great vessels, 501*
- E
- East, Terence, 505*
- Ebert, Richard V., and Stead, E. A., Jr., 254*
- Ecker, Arthur D., Ayer, W. D., and O'Connor, F. J., 256*
- Edeiken, Joseph, 77
- Edema, bilateral, significance, clinical of, of lower extremities, 255*
- treatment of, by rectal administration of diuretics, 511*
- Effort syndrome, soldier's heart and, 513 (B. rev.)
- Electrocardiogram, after intravenous injection of hypertonic sucrose and saline solutions, 775*

- Electrocardiogram, after, Cont'd—
 mechanical injury to inner surface of heart, 121*
 changes in, correlation study between retinal vascular changes, and radiologic heart size in essential hypertension, 248*
 delayed, in, in coronary occlusion, 646*
 due to local cooling of chest wall, 377*
 following metrazol-induced convulsions, 702
 predominance of surface over deep cardiac injury in producing, 174
 chest lead, characteristics of, of 100 normal adults, 261
 complexes, ventricular of left type, high R_s wave with, 774*
 conventional, effect of distention of stomach on, 160
 fusion beats, 123*
 galvanometric potentials of extremities and of thorax in congenital dextrocardia, 322
 high R_s wave in, with ventricular complexes of left type, 774*
 in congenital heart disease, 258 (B. rev.)
 in experimental pericardial injury, 121*
 nomenclature, and description of, 655 of, note on, 355
 observations on genesis of electric currents established by injury to heart, 244*
 prediction of, differences between precordial leads CR, CL, and CF, based on limb lead findings, 12
 QRS pattern of diagnostic value in, 502*
 researches with multiple thoracic leads, 502*
 right axis deviation, prognostic significance of, in arteriosclerotic and hypertensive heart disease, 122*
 short P-R interval and wide QRS wave syndrome post-mortem examination and clinical report of case of, 774*
 significance of position of subject in evaluation of, 592
 Electrocardiography, 513 (B. rev.)
 illustrative, 387 (B. rev.)
 Electrogram, mechanograms, simultaneous and, from intact women subjects, with notes on effect of distention of stomach on conventional electrocardiogram, 160
 Endarteritis, bacterial, subacute, coarctation of aorta in a child with, and a calcified mycotic aneurysm at seat of stricture, 357
 Endocarditis, bacterial, and syphilis of aortic valve, 503*
 (para-influenza) subacute, 769
 some clinical vagaries associated with, 246*
 subacute, use of heparin in treating case of, with patent ductus arteriosus, 783*
 gonorrheal, diagnosis and treatment of gonorrheal septicemia and, 503*
 verrucous (Libman-Sacks disease) cardiac lesions in, with a consideration of its relationship to acute diffuse lupus erythematosus, 378*
 Engelhardt, Hugo T., and Sodeman, W. A., 502*
 Epstein, Israel G., and Ornstein, G. G., 642*
 Ernstene, A. Carlton, 374*
 —, and Kinell, J., 644*
 Escudero, Lucilo, and Adams, W. E., 119*
 Esophagus, pulsation of, under normal and abnormal conditions, 129
 Essex, Hiram E., Hausner, E., Herrick, J. F., and Baldes, E. J., 773*
 —, Wakim, K. G., and Mann, F. C., 486
 —, Wégria, R., Herrick, J. F., and Mann, F. C., 557
 Estrogens, effect of, on vascular spasm due to active angitis in extremities, 250*
 Evans, Willis F., and Stewart, H. J., 715
 Exercise, effect of, on volume of blood, 254*
 test, use of, in connection with venous pressure measurements for detection of venous obstruction in upper and lower extremities, 308
 F
 Fasciolo, J. C., Braun-Menéndez, E., LeLoir, L. F., and Muñoz, J. M., 648*
 Faust, Frederick B., and Robertson, H. F., 511*
 Fenn, G. K., Gilbert, N. C., and LeRoy, G. V., 519
 Fetterman, Joseph L., Kline, E. M., and William, G. H., Jr., 702
 Fibrillation, auricular, blood pressure, arterial, measured directly in cases of, 643*
 incidence of, in mitral stenosis with congestive failure, 123*
 ventricular, basis physiologic, for cardiac resuscitation from, method for serial defibrillation, 413
 development of, effect of intravenous administration of quinine sulfate on, following

- Fibrillation, ventricular, Cont'd—
 sudden occlusion of circumflex branch of left coronary artery, 620
 experimental, attempt to register cardiac sounds during, 501*
 mechanism and nature of, 399
 paroxysmal, in infarction of myocardium, and tachycardia, 503*
 studies on, 118*
 Fine, M. James, and Miller, R., 366
 Finkelstein, Reuben, and Jacobi, M., 381*
 Flaxman, Nathan, 651*
 Follis, Richard H., Jr., 510*
 Foote, Stephen A., Jr., Reed, W. C., Comeau, W. J., and White, P. D., 255*
 Forbes, J. R., de Navasquez, S., and Holting, H. E., 565*
 Fox, T. T., and Genzler, A. M., 381*
 Freedman, Arthur, 304
 Freeland, M. R., and Theis, F. V., 126*
 Freeman, Norman E., 249*
 Friedlander, Mae, Silbert, S., and Bierman, W., 255*

G

- Gaines, Walter, and Wakerlin, G. E., 507*
 Ganglion, stellate, infiltration with novocain of, in angina pectoris, 502*
 Gangrene, development of, influence of temperature on, in peripheral vascular disease, 249*
 diabetic, 250*
 Gardner, John W., Mountain, G. E., and Hines, E. A., Jr., 378*
 Garvin, Curtis F., 246*
 Gastrointestinal system, reactions, circulatory, in, elicited by localized cutaneous stimulations, 743
 Gauld, Ross L., and Read, F. E. M., 504*
 Gelperin, Abraham, 340
 Genzler, A. M., and Fox, T. T., 381*
 Gibson, Glen G., Roesler, H., and Hussey, R., 248*
 von Gierke's disease (*see* glycogen, storage of)
 Gilbert, N. C., LeRoy, G. V., and Fenn, G. K., 519
 Gilson, Arthur S., Kountz, W. B., Smith, J. R., and Sturm, R. E., 667
 Gitlow, Samuel, and Sommer, R. I., 106
 Glomerulonephritis, renal factor in, continued arterial hypertension not due to, as revealed by intravenous pyelography, 649*
 Glomset, Anna T. A., and Glomset, D. J., 389, 677
 Glomset, Daniel J., and Glomset, A. T. A., 389, 677
 Glucosides, cardiac, genuine, 783*
 Glycogen, storage of, disease of, cardiac hypertrophy caused by, in a 15-year-old boy, 546
 Goetz, Robert H., 375*
 Gold, Harry, Kwit, N. T., and Cattell, McK., 782*
 Goldshine, Archie D., and Ayman, D., 778*
 Gonorrhea, septicemia and endocarditis due to, diagnosis and treatment of, 503*
 Goodrich, Ben E., and Needles, R. J., 637
 Gottdenker, F., and Wachstein, M., 782*
 Gouley, Benjamin A., 246*
 Graham, H. Boyd, 776*
 Graybiel, Ashton, 116*
 Green, Harold D., and Gregg, D. E., 251,* 382,* 510*
 Greene, James A., Van Eppes, E. F., and Hyndman, O. R., 248*
 Gregg, Donald E., and Green, H. D., 251,* 382,* 510*
 Grimson, K. S., Bouckaert, J. J., and Heymans, C., 118*
 —, and Shen, T. C. R., 118,* 119*
 Groedel, Franz M., and Kisch, B., 377*
 Grollman, Arthur, Harrison, T. R., and Williams, J. R., Jr., 257,* 507,* 782*
 Gross, Harry, 123*
 —, and Phillips, B., 510*
 Gross, Louis, 378*
 Gruber, Charles M., Haury, V. G., and Drake, M. E., 329
 Gubner, Richard, Master, A. M., Dack, S., and Jaffe, H. L., 475

H

- Hale, Doris M., Hiestand, W. A., and Ramsey, H. J., 376*
 Hall, G. E., Smith, F. H., and McEachern, C. G., 620
 Hamilton, Angie S., and Collins, D. A., 641*
 Harpuder, Karl, Stein, I. D., and Byer, J., 539
 Harrison, Tinsley R., 126*
 —, Grollman, A., and Williams, J. R., Jr., 257,* 507,* 782*
 Haselwood, L. Anson, and Kuntz, A., 743
 Haury, Victor G., Gruber, C. M., and Drake, M. E., 329
 Hausner, Erich, Essex, H. E., Herrick, J. F., and Baldes, E. J., 773*
 Haynes, Florence W., and Weiss, S., 34
 Headache, hypertensive, relationship of migraine to hypertension and, 378*
 Heart, abnormality, congenital, of septum, dextrocardia, galvanometric potentials of extremities and of thorax in, 322
 ductus arteriosus, patent, 236
 interauricular defect of, 644*

Heart, Cont'd—

- action of ascorbic acid on, experimental studies on, 501*
- aneurysm of, 775*
- arrhythmia of, during Cheyne-Stokes respiration, 122*
- beat, coupled of, formation rhythmic of, and paroxysmal tachycardia in outer layer of myocardium, 374*
- fusion, of, 123*
- block, bundle branch, relation between and cardiac enlargement, 186
- conduction system of, morphologic study of, in ungulates, dog, and man: 389
 - I Sinoatrial node, 389
 - II Purkinje system, 677
 - auriculoventricular time of, studies in of normal children and of rheumatic children without sign of rheumatic activity, 573
- configuration, unusual of, in a child, 762
- contraction, auricular and ventricular, coincidental of, characteristic of hepatic pulse in cases of, 244*
- denervated, effects of whole bile and bile salts on, 486
- disease of, and pregnancy, 253*
 - arteriosclerotic of, significance, prognostic, of right axis deviation in and hypertensive, 122*
 - clinical of, 514 (B. rev.)
 - congenital of, electrocardiogram in, 258 (B. rev.)
 - diagnosis of, errors, common, in, 374*
 - hypertensive, of, IV. Factors in production of congestive failure, 98
 - significance, prognostic, of right axis deviation in arteriosclerotic and, 122*
 - interest, growing, in, in southwest (since 1915), 256*
 - permanent, of, recovery from acute rheumatic fever without, 776*
 - pregnancy and, 651*
 - principles, general in bedside diagnosis of, 126*
 - review of significant contributions made during 1939, 117*
 - rheumatic of, 247,* 454, 646,* 776*
 - public health aspects of, incidence and measures for control, 776*
 - spirometry as a procedure of determining pulmonary efficiency in pulmonary and, the failure of x-rays of chest in estimating pulmonary reserve, 642*
 - theophyllin with isopropanolamine in, with especial reference to congestive failure, 511*

Heart, Cont'd—

- disorders of, dysphagia with, and great vessels, 501*
- examination of, and lungs by cardiocairographic method, 195
 - in recruits, 651*
 - in wartime, 245*
- failure of, action of digitalis in, with normal rhythm, 127*
- congestive of, chronic, water content of myocardium in hypertrophy and, 123*
 - factors in, 98
 - incidence of auricular fibrillation in mitral stenosis with, 123*
 - incompatibility between, and angina pectoris, 123*
 - spontaneous redigitalization following rapid diuresis in, 512*
 - theophyllin with isopropanolamine in heart disease, 511*
 - treatment of, combined use of ouabain and digitalis in, 443
- right, of, diagnosis of, value of ether circulation time in, 377*
- function of, acetylcholine and potassium in relation to, 120*
 - and respirations at rest in patients with uncomplicated polycythemia vera, 643*
- human, observations, chemical, on, in health and disease, 644*
- hypertrophy of, caused by glycogen storage disease in a 15-year-old boy, 546
 - water content of myocardium in, and chronic congestive failure, 123*
- hemi-, of, due to increased peripheral resistance. A study of pulmonary and aortic stenosis experimentally produced, 119*
- injury to, observations on genesis of electrical currents established by, 244*
 - predominance of surface over deep, in producing changes in electrocardiogram, 174
- involvement of, relation between bundle branch block and, 186
- lesion of, in Libman-Sacks disease, with a consideration of the relationship to acute diffuse lupus erythematosus, 378*
- mechanism terminal of, in coronary artery disease, 637
- muscle of, electrolyte and water balance of, influence of digitalis on, 586
- normal, response of, and heart in experimental vitamin B₁ deficiency to metabolites (pyruvic acid, lactic acid, methyl glyoxal, glyceraldehyde and adenylic acid) and to thiamin, 34

- Heart, Cont'd—
 output of, augmented, changes in coronary circulation following increased aortic pressure, ischemia and valve lesions, 251*
 effects of, on coronary blood flow measured under a constant perfusion pressure, 382*
 in rest and work in humid heat, 773*
 resuscitation of, basis, physiologic, for, from ventricular fibrillation, method for serial defibrillation, 413
 septum, interauricular, of, defect of, 644*
 intraventricular, of, syphilis of, and ventricular tachycardia, 504*
 size, radiological, of, correlation study between retinal vascular changes, electrocardiographic alterations and, in essential hypertension, 248*
 soldier's and effort syndrome, 513 (B. rev.)
 sound of, attempts to register, during experimental ventricular fibrillation, 501*
 use of cathode ray for recording, and vibrations, 667
 systole of, duration of, during hypocalcemia, 502*
 vibrations of, use of cathode ray for recording sound and, 667
 weight of, relation of coronary sclerosis to, and to right and left ventricular hypertrophy, 125*
 Heat, humid, cardiac output in rest and work in, 773*
 Hemangioendothelioma of lung, 247*
 Hempelmann, Louis H., and Kountz, W. B., 599
 Henstell, H., Altschule, M. D., and Volk, M. C., 643*
 Heparin, in surgical treatment of blood vessels, 249*
 use of, in treating case of subacute bacterial endocarditis with patent ductus arteriosus, 783*
 Herrick, J. F., Hausner, E., Essex, H. E., and Baldes, E. J., 773*
 —, Wégria, R., Essex, H. E., and Mann, F. C., 557
 Herrmann, Louis G., and McGrath, E. J., 260*
 Hertzman, Alrick B., and Dillon, J. B., 245,* 386,* 750
 Heymans, C., Bouckaert, J. J., and Grimson, K. S., 118*
 Hiestand, W. A., Ramsey, H. J., and Hale, D. M., 376*
 Hildebrand, Alice G., Montgomery, H., and Rynearson, E. H., 779*
 Hines, Edgar A., Jr., Gardner, J. W., and Mountain, G. E., 378*
 Histaminase, in treatment of cold allergy, 127*
 Hoff, Alfred, 246*
 Hoff, H. E., Kisch, B., and Nahum, L. H., 174
 Holland, Lang F., and Bayley, R. H., 223
 Hollander, A. Gerson, and Crawford, J. H., 762
 Holling, H. E., de Navasquez, S., and Forbes, J. R., 505*
 Holman, Emile, 119*
 Holt, J. P., 642*
 Homans, John, 124*
 Hoyos, Jorge Meneses, and Palacios, H. C., 501*
 Hussey, Hugh Hudson, and Veal, J. R., 308
 Hussey, Raymond, Roesler H., and Gibson, G. G., 248*
 Hyndman, O. R., Van Epps, E. F., and Greene, J. A., 248*
 Hypertension advanced, myocardium, degeneration of, associated with uremia in, and chronic glomerular nephritis, 246*
 and unilateral malignant nephrosclerosis, 778*
 arterial, continued, renal factor in, not due to glomerulonephritis, as revealed by intravenous pyelography, 649*
 influence of tobacco on, 507*
 body build and, 506*
 obesity, 121*
 cases of, chromatrophic degeneration and rupture of aorta following thyroidectomy in, 599
 demonstration of, liberation of renin into blood stream from kidneys of animals made hypertensive by cellophane perinephritis, 379*
 effect, depressor, of spleno-reno-pxy on, due to renal ischemia, 642*
 essential, blood pressure determinations in patients with. I. difference between clinic and home readings before treatment, 778*
 study, correlation between retinal vascular changes, electrocardiographic alterations, and radiologic heart size in, 248*
 experimental, in, nephrectomized parabiotic rats, 117*
 therapeutics of, 257,* 782*
 (group 4) changes structural, in arterioles of myocardium in diffuse arteriolar disease with, 779*
 injuries, pyelonephritic, to kidney and their relation to, 648*
 paroxysmal, associated with pheochromocytoma of adrenal, manifestations clinical of, 248*
 pulmonary, 505*

Hypertension, pulmonary, Cont'd—

- right ventricular hypertrophy of unknown origin, 505*
- pyelonephritis, chronic, a cause of, and renal insufficiency, 380*
- relationship of migraine to, and to hypertension headaches, 378*
- renal, experimental, increased sensitivity of arterial muscle in prehypertensive phase of, 116*
- substance causing, 648*
- vasoconstriction in, abolished by pithing, 378*
- serum electrolytes in, 119*
- Hyperthyroidism, blood flow, peripheral in, 715
- Hypertonia, physiologic, of aged, is there? 504*
- Hypocalcemia, duration of cardiac systole during, 502*
- Hypothermia, relation to neurocirculatory asthenia, 774*

I

- Injections, intravenous, electrocardiogram after, of hypertonic sucrose and saline solutions, 775*
- Injury, mechanical, electrocardiogram after, of inner surface of heart, 121*
- pericardial, electrocardiogram in, 121*
- Isard, Harold J., and Baer, S., 377*
- Ischemia, changes in coronary circulation following increased aortic pressure, augmented cardiac output, and valve lesions, 251*
- effects of, on coronary blood flow measured under a constant perfusion pressure, 382*
- renal, complete, temporary, effect of transplanted ischemic findings and of, upon blood pressure of rabbits, 525
- Isopropanolamine, theophyllin with, in heart disease, with special reference to congestion failure, 511*

J

- Jack, Nelson B., and Stewart, H. J., 205
- Jacobi, Mendel, and Finkelstein, R., 381*
- Jacobson, Edmund, 375*
- Jaffe, Harry L., Master, A. M., Gubner, R., and Dack, S., 475
- , —, Kalter, H., and Dack, S., 186
- Jager, B. V., 236
- Jaskiewicz, Stanley J., and Levitt, A., 646*
- Jeffers, William A., Lindauer, M. A., Twaddle, P. H., and Wolferth, C. C., 117*
- Jensen, Julius, Wegner, C., Keys, E. H., Jr., and Smith, H. R., 253*
- Jochim, K., Sugarman, H., Katz, L. N., and Sanders, A., 244*

- Johnson, Allen S., 253*
- Johnson, Carl A., and Laing, G. H., 160
- Jouve, André, and Vague, J., 516

K

- Kalter, Henry, Master, A. M., Dack, S., and Jaffe, H. L., 186
- Kaltreider, Nolan L., and Palmer, W. L., 254*
- Kampmeier, R. H., and Combs, S. R., 777*
- Katz, L. N., Sugarman, H., Sanders, A., and Jochim, K., 244*
- Keil, Harry, 508*
- Keith, Norman M., and Stickney, J. M., 647*
- Kent, Gerald T., Dingle, J. T., Williams, L. L., and Wiggers, C. J., 386*
- Keys, Edgar H., Jr., Jensen, J., Wegner, C., and Smith, H. R., 253*
- Kidney, extract of, administration of, reduction of blood pressure of hypertensive dogs by, 507*
- injury, pyelonephritic, to, and their relation to hypertension, 648*
- insufficiency of, pyelonephritis, chronic, a cause of hypertension and, 380*
- involvement of, in disseminated lupus erythematosus, 647*
- ischemia of, complete, short, pressor responses following: characteristics, mechanism, specificity for kidney, 641*
- hypertension due to, depressor effect of spleno-reno-pexy on, 642*
- of hypertensive dogs, increase of blood pressure by perfusion of, 118*
- temporary, complete of, termination of, observation upon pressor substance causing rise in blood pressure following, 773*
- transplanted, effect of, and of temporary complete renal ischemia upon blood pressure of rabbits, 525
- sclerosis, malignant, unilateral of, hypertension (Goldblatt) and, 778*
- Kinell, Jack, and Ernestene, A. C., 644*
- King, E. S., Jr., 377*
- Kinney, Thomas D., Weiss, S., and Maher, M. M., 509*
- Kirkland, H. B., and Ylvisaker, L. S., 592
- Kisch, Bruno, and Groedel, F. M., 377*
- , Nahum, L. H., and Hoff, H. E., 174
- Kissane, R. W., and Koons, R. A., 512*
- Klainer, Max J., 122*
- , and Davis, D., 98
- Kline, Edward M., Fetterman, J. L., and Williams, G. H., Jr., 702

- Kossmann, Charles E., 322
 Kountz, William B., Gilson, A. S., Smith, J. R., and Sturm, R. E., 667
 —, and Hempelmann, L. H., 599
 Kramer, David W., 514
 Kuntz, Albert, and Haselwood, L. A., 743
 Kupersmith, Harry, Shohet, A. J., and Taub, S. J., 125*
 Kuttner, Ann G., 776*
 —, and Reyersbach, G., 573
 Kvale, Walter F., Smith, L. A., and Allen, E. V., 250*
 Kwit, Nathaniel T., Gold, H., and Cattell, McK., 782*
- L
- Laing, Grant H., and Johnson, C. A., 160
 Leads, precordial CR, CL, and CF, prediction of differences between, based on limb lead findings, 12
 two, results of, 503*
 thoracic, multiple, electrocardiographic researches with, 502*
 Le Compte, P. M., and Winternitz, M. C., 382*
 Leibel, Bernard, 376*
 LeLoir, L. F., Braun-Menéndez, E., Fasciolo, J. C., and Muñoz, J. M., 648*
 Leo, Sidney D., Prinzmetal, M., and Lewis, H. A., 773*
 LeRoy, George V., Gilbert, N. C., and Fenn, G. K., 519
 —, and Speer, J. H., 781*
 Leslie, Margaret, and Ronald, J., 781*
 Levine, Samuel A., 514
 Levison, William, Antopol, W., Boas, E. P., and Tuchman, L. R., 546
 Levitt, Abel, and Jaskiewicz, S. J., 646*
 —, and Levy, D. S., 781*
 Levy, Dexter S., and Levitt, A., 781*
 Lewis, Harvey A., Leo, S. D., and Prinzmetal, M., 773*
 —, Prinzmetal, M., Taggart, J., Wilkins, H., and Drury, D. R., 525
 Lewis, Sir Thomas, 513*
 Libman-Sacks disease (*see* endocarditis, verrucous)
 Liedholm, Knut, 515
 Lindauer, M. August, Jeffers, W. A., Twaddle, P. H., and Wolferth, C. C., 118*
 Lippincott, Stuart W., 509*
 Liver, cirrhosis of, vascular "spider" associated with, 509*
 pulsation of, characteristics of, in cases of coincidental auricular and ventricular contractions, 244*
 Lungs, examination of heart and, by cardiocardiographic method, 195
- Lupus erythematosus, diffuse acute, cardiac lesions, in Libman-Sacks disease with a consideration of its relationship to, 378*
 disseminatus, 381*
 cutaneous manifestation of systemic disease, 381
 renal involvement in, 647*
 Luten, Drew, and Wedig, J. H., 123*
 Lymph, cardiac, flow, pressure, and composition of, 253*
 Lymphedema of limbs, 124*
- M
- Magnesium sulphate method for circulation time in diagnosis of peripheral vascular disease, 375*
 Maher, Chauncey C., and Wosika, P. H., 513
 Maher, Mary M., Weiss, S., and Kinney, T. D., 509*
 Maldonado-Allende, Ignacio, 507*
 —, Orlas, O., and Segura, A. S., 501*
 Mangun, George H., and Myers, V., 644*
 Mann, Frank C., Wakim, K. G., and Essex, H. E., 486
 —, Wégria, R., Essex, H. E., and Herrick, J. F., 557
 Mansfield, James S., Wickes, D. M., Steiner, A., and Victor, J., 642*
 Marra, y R. R., Cossio, P., and Aubone, A. Castro, 120*
 Marri, R., and Shen, T. C. R., 118*
 Massell, Benedict T., Taquini, A. C., and Walsh, B. J., 295
 Master, Arthur M., Gubner, R., Dack, S., and Jaffe, H. L., 475
 —, Kalter, H., Dack, S., and Jaffe, H. L., 186
 Matthews, Edward, and Wood, W. B., Jr., 122*
 Maurer, Frank W., Drinker, C. K., Warren, M. F., and McCarrell, J. D., 253*
 McCann, W. S., 380*
 McCarrell, Jane D., Drinker, C. K., Warren, M. F., Maurer, F. W., 253*
 McDonald, J. D., Crimm, P. D., and Cookson, H. N., 646*
 McEachern, C. G., Smith, F. H., and Hall, G. E., 620
 McGrath, Edward J., and Herrmann, L. G., 250*
 McKittrick, Leland S., 250*
 McNamara, Delbert H., and Brown, C. E., 651*
 Mechanograms, simultaneous, and electrograms from intact human subject, with notes on effects of distention of stomach on conventional electrocardiogram, 160

- Mecholyl (*see* acetyl- β -methyleholine chloride)
- Mediastinum, tumor of, diagnosis, differential, of and aortic aneurysm, value of contrast cardiovascular visualization, 650*
- β -methyleholine urethane: its action in various normal and abnormal conditions, especially post-operative urinary retention, 512*
- Metrazol, convulsion induced by, electrocardiographic changes following, 702
- Migraine, relation of, to hypertension and to hypertensive headaches, 378*
- Miller, Edgar R., 783*
- Miller, Ralph, and Fine, M. J., 366
- Moia, Blas, 774*
- , and Battle, F. F., 244*
- Montgomery, Hamilton, Hildebrand, A. G., and Rynearson, E. H., 779*
- Moon, Virgil H., 255*
- Mountain, George E., Gardner, J. W., and Hines, E. A., Jr., 378*
- Mulinos, Michael G., and Shulman, I., 246*
- Muñoz, J. M., Braun-Menéndez, E., Fasciolo, J. C., and LeLoir, L. F., 648*
- Muscle, cardiac (*see* myocardium)
- contractions, voluntary, brief, of, variation of blood pressure of, 375*
- Mussafia, A., and Pudda, V., 502,* 503*
- Myasthenia gravis, observations on cardiovascular system in, 611
- Myers, Victor, and Mangun, G. H., 644*
- Myocarditis, acute, 515 (B. rev.)
- interstitial, acute, following administration of arspenamines, 651*
- Myocardium, arterioles of, changes, structural, in, in diffuse arteriolar disease with hypertension group 4, 779*
- content, water of, in hypertrophy and chronic congestive failure, 123*
- degeneration of, associated with uremia in advanced hypertensive disease and chronic glomerular nephritis, 246*
- infarction of, diagnosis of coronary occlusion and, by fluoroscopic examinations, 475
- pain in shoulder as sequel to, 644*
- tachycardia and paroxysmal ventricular fibrillation in, 503*
- layer, outer, of, formation rhythmic of, coupled beats and paroxysmal tachycardia in, 374*
- regeneration in, 377*
- N
- Nahum, L. H., Kisch, B., and Hoff, H. E., 174
- de Navasquez, S., Forbes, J. R., and Holling, H. E., 505*
- Neerobiosis lipoidica diabetorum, 779*
- Needles, Robert J., and Goodrich, B. E., 637
- Nelson, Robert Lyman, 627
- Nephritis, cellophane, demonstration of liberation of renin with blood stream from kidneys of animals made hypertensive by, 379*
- glomerular, chronic, myocardium, degeneration of, with uremia in advanced hypertensive disease and, 246*
- Nerve, optic, left atrophy of, left sided weakness, blood pressure difference between two arms and, 648*
- Nervous system, sympathetic intervention surgical on, for peripheral vascular disease, 249*
- Nicolson, Gertrude H. B., 357
- Nicotinic acid, effect of, and related pyridine and pyrazine compounds, on temperature of skin of human beings, 62
- Nodules, subcutaneous, of rheumatoid arthritis and rheumatic fever, 247*
- Novocaine, infiltration with, of stellate ganglion in angina pectoris, 502*
- O
- Obesity, hypertension, body build and, 121*
- Ochsner, Alton, and DeBakey, M., 126,* 649*
- , and Smith, M. C., 256*
- O'Conner, Frederick J., Ecker, A. D., and Ayer, W. D., 256*
- Odel, Howard M., 779*
- Ogden, Eric, Brown, L. T., and Page, E. W., 117*
- Öhnell, Richard F., 774*
- deOliveira, Artur, and Coelho, E., 503,* 504*
- , —, and deCosta, F., 502*
- Orias, Oscar, Maldonado-Allende, I., and Segura, A. S., 501*
- Ornstein, George G., and Epstein, I. G., 642*
- Orthodiagram, comparison of, with teleoroentgenogram, 77
- Ouabain, toxicity of digitalis and, in animals under sodium thiopentobarbital and sodium pentobarbital anesthesia, 329
- use, combined, of and digitalis in treatment of congestive heart failure, 443

P

- Page, Ernest W., Ogden, E., and Brown, L. T., 117*
- Page, Irvine H., 379*
- Pain, in shoulder as sequel to myocardial infarction, 644*
- prodromal, in coronary occlusion, 141
- relief of, use of vitamin B₁ for, in varicose ulcers, 256*
- Palacios, Hector Caraza, and Hoyos, J. M., 501*
- Palmer, Robert S., Chute, R., Crone, N. L., and Castleman, B., 649*
- Palmer, Walter Lincoln, and Kaltreider, N. L., 254*
- Parabiosis, rats, nephrectomized with, experimental hypertension in, 118*
- Pardee, Harold E. B., 655
- Parkinson, John, 245*
- Patek, Arthur J., Jr., Post, J., and Victor, J. C., 509*
- Periarthritis nodosa simulating an acute abdominal condition requiring operation, 248*
- Pericardium, calcification of, 646*
- Perlow, Samuel, 257*
- Pfeiffer, Robert, and Dressler, W., 775*
- Philips, Benjamin, and Gross, H., 510*
- Phlebothrombosis (*see* veins, thrombosis of)
- Phonocardiogram, studies of early rheumatic mitral disease, 295
- Phonocardiography, direct, membrane, new type of, for, 643*
- Photoelectric recording, circulation, peripheral, by, 376*
- Piccione, Frank V., and Scherf, D., 374*
- Pithing, vasoconstriction in, renal hypertension abolished by, 378*
- Plaut, Alfred, 247*
- Pleochromocytoma, of adrenal, manifestations clinical, of paroxysmal hypertension associated with, 248*
- Plethysmography of skin in investigation of peripheral vascular disease, 375*
- photoelectric, applications of, in peripheral vascular disease, 750
- distinction between arterial, venous and flow components in, in man, 245*
- Pneumothorax, spontaneous, simulating coronary disease, 645*
- Poindexter, Charles A., and Boyer, P. K., 586
- Polycythemia vera, uncomplicated, cardiac and respiratory function, at rest in patients with, 643*
- Porter, William B., and Vaughan, E. W., 509*
- Positano, Guiseppe, and Scaffidi, V., Jr., 507*
- Post, Joseph, Patek, A. J., Jr., and Victor, J. C., 509*
- Posture, change of, tachycardia, auricular, paroxysmal, orthostatic, with unusual response to, 366
- Potassium, in relation to cardiac function, 120*
- Pregnancy, and heart disease, 253,* 651*
phonocardiographic and hemodynamic studies during last months of normal pregnancy, 515 (B. rev.)
- Pressor substance, observations upon, causing rise in blood pressure following termination of temporary complete renal ischemia, 773*
- P-R interval, short, post-mortem examination and clinical report of case of, and wide QRS wave syndrome, 774*
- Prinzmetal, Myron, Leo, S. D., and Lewis, H. A., 773*
- , Lewis, H. A., Taggart, J., Wilkins, H., and Drury, D. R., 525
- Prostigmine, in treatment of peripheral circulatory disturbances, 257*
- Pudda, Vittorio, 502*
- , and Mussafia, A., 502,* 503*
- Purkinje system, morphologic study of, 677
- Purpura hemorrhagica, associated with widespread deposits of crystalline material, reticuloendotheliosis, 382*
- Pyelography, intravenous, renal factor in continued arterial hypertension not due to glomerulonephritis, as revealed by, 649*
- Pyelonephritis, chronic, cause of hypertension and renal insufficiency, 380*
- Pyrazine compounds, effect of nicotinic acid and related pyridine and, on temperature of skin of human beings, 62
- Pyridine, effect of nicotinic acid and related pyrazine compounds on temperature of skin of human beings, 62

Q

- QRS, complex, pattern, of diagnostic value in electrocardiogram, 502*
- wave, wide, syndrome, short P-R interval and, postmortem examination and clinical report of case of, 774*
- Quinidine, elimination of, studies on the time required for, from the heart and other organs, 21
- sulfate, effect of intravenous administration of, on development of ventricular fibrillation following sudden occlusion of circumflex branch of left coronary artery, 620

R

- Ramsey, Helen J., Hiestand, W. A., and Hale, D. M., 376*
- Rathe, Herbert W., 247*
- Ravenna, Paolo, 780*
- Read, Frances E. M., and Gauld, R. L., 504*
- Reed, Wilfred C., Foote, S. A., Jr., Comeau, W. J., and White, P. D., 255*
- Reimann, Hobart A., 774*
- Reisinger, John A., and Blumenthal B., 141
- Reisinger, John N., 380*
- Renin, intestine segments of, treated with, difference in activating effect in normal and hypertensive plasma on, 379*
- liberation of, demonstration of, with blood stream from kidneys of animals made hypertensive by cellophane perinephritis, 379*
- response to, of unanesthetized normal and nephrectomized rats, 304
- Respiration, Cheyne-Stokes, cardiac arrhythmia during, 122*
- disturbance in circulation and, in obstruction of blood flow to and from the heart, 119*
- Respiratory system, efficiency of, spirometry as a procedure of determining, in pulmonary and heart disease. The failure of x-rays of chest in estimating pulmonary reserve, 642*
- function, cardiac and, at rest in patients with uncomplicated polycythemia vera, 643*
- infections, effect of large doses of vitamins A, B, C and D on incidence of, in a group of rheumatic children, 776*
- reserve, pulmonary, failure of x-rays of chest in estimating, 642*
- Reticuloendothelial system, pathology of, purpura hemorrhagica, associated with widespread deposits of crystalline material, 382*
- Reyersbach, Gertrude, and Kuttner, A. G., 573
- Reynolds, John T., and deTakáts, G., 125*
- Rheumatic fever, activity of, studies on auriculoventricular conduction time of normal children and of rheumatic children without, 573
- acute, recovery from, without permanent cardiac damage, 776*
- aspects, clinical, of, in adults, 777*
- attack, primary, of, age at onset of, 504*
- children with, effect of large doses of vitamins A, B, C and D on incidence of upper respiratory infections in, 776*
- Rheumatic fever, Cont'd—
- immunization against, with hemolytic streptococcus filtrate, 1
- nodules, subcutaneous of, rheumatoid arthritis and, 247*
- of tricuspid valve, 247*
- studies in: V. Age of onset of primary rheumatic attack, 504*
- Robb, George P., Steinberg, I., and Roche, U. J., 650*
- Robertson, Harold F., and Faust, F. B., 511*
- Robinson, Samuel C., and Brucer, M., 121,* 506*
- Roche, Ursula J., Steinberg, I., and Robb, G. P., 650*
- Roentgen ray, diagnosis by, of heart and great vessels, 384 (B. rev.)
- Roentgenogram of chest, failure of, in estimating pulmonary reserve, 642*
- Roentgenoscopy, diagnosis of coronary occlusion and myocardial infarction by, 475
- Roesler, Hugh, 652
- , Gibson, G. G., and Hussey, R., 248*
- Ronald, James, and Leslie, M., 781*
- Rose, O. Alan, Batterman, R. C., and DeGraff, A. C., 443
- Rosenberg, David H., 123,* 503*
- Roth, Irving R., 777*
- R wave, high R_s with ventricular complexes of left type, 774*
- Ryneerson, Edward H., Hildebrand, A. G., and Montgomery, H., 779*

S

- Sanders, A., Katz, L. N., Sugarman, H., and Jochim, K., 244*
- Saphir, Otto, and Ballinger, J., 778*
- Scaffidi, Vittorio, Jr., and Positano, G., 507*
- Scherf, David, and Boyd, Linn J., 121*
- , and Piccione, F. V., 374*
- , and Weissberg, Jonas, 775*
- Schiappoli, Franco, 505*
- Schlesinger, Monroe J., 252*
- Schnitker, Maurice A., 258
- Schwab, Robert S., Taquini, A. C., and Cooke, W. T., 611
- Scupham, George W., deTakáts, G., Van Dellen, T. R., and Beck, W. C., 641*
- Segura, Angel S., Maldonado-Allende, I., and Orias, O., 501*
- Septicemia, gonorrheal, diagnosis and treatment of, and gonorrheal endocarditis, 503*
- Shen, T. C. R., and Grimson, K. S., 118,* 119*
- , and Marri, R., 118*
- Shirley, Clayton, and Cogswell, H. D., 257*

- Shohet, Allen S., Taub, S. J., and Kuper-smith, H., 125*
- Shulman, Israel, and Mulinos, M. G., 246*
- Silbert, Samuel, Friedlander, M., and Bierman, W., 255*
- Sinuses, carotid, do they exert a pressor activity when the systemic blood pressure is low? 379*
- Skin, plethysmography of, in investigation of peripheral vascular disease, 375*
- stimulation, localized, of, reactions, circulatory, in gastrointestinal tract elicited by, 743
- temperature of, of human beings, effect of nicotinic acid and related pyridine and pyrazine compounds on, 62
- Smith, F. H., McEachern, C. G., and Hall, G. E., 620
- Smith, Hugh R., Jensen, J., Wegner, C., and Keys, E. H., Jr., 253*
- Smith, John R., Kountz, W. B., Gilson, A. S. and Sturm, R. E., 667
- Smith, Lucian A., Kvale, W. F., and Allen, E. V., 250*
- Smith, M. C., and Ochsner, A., 256*
- Smith, Margaret G., and Agress, H., 382*
- Smithwick, Reginald H., 249.* 257*
- Smoke, cigarette, effects of, and deep breathing on peripheral vascular system, 246*
- on metabolic rate, heart rate, oxygen pulse, and breathing rate, 376*
- Sodeman, William A., and Engelhardt, H. T., 502*
- Sodium tetrathionate, treatment of thromboangiitis obliterans with, and sodium thiosulfate, 126*
- thiosulfate, treatment of thromboangiitis obliterans with sodium tetrathionate and, 126*
- Sommer, Robert I., and Gitlow, S., 106
- Sosman, Merrill C., 646*
- Speer, John H., and LeRoy, G. V., 781*
- "Spider," vascular, associated with cirrhosis of liver, 509*
- Spies, Tom Douglas, and Bean, W. B., 62
- Spirometry, a procedure for determining pulmonary efficiency in pulmonary and heart disease. The failure of x-rays of chest in estimating pulmonary reserve, 642*
- Splenomegaly, fibro-congestive (Banti syndrome), 780*
- Spleno-reno-pxy, effect, depressor, of, on hypertension due to renal ischemia, 642*
- Sprague, Howard B., and Walsh, B. J., 111
- Starr, Isaac, and Ferguson, L. K., 512*
- Stead, Eugene A., Jr., and Ebert, R. V., 254*
- Stein, Irwin D., Harpuder, K., and Byer, J., 539
- Steinberg, Israel, Robb, G. P., and Roche, V. J., 650*
- Steiner, Alfred, Weeks, D. M., Mansfield, J. S., and Victor, J., 642*
- Stern, Neuton S., 355
- Stewart, Harold J., and Evans, W. F., 715
- , and Jack, N. B., 205
- Stickney, J. Minott, and Keith, N. M., 647*
- Stoll, Arthur, 783*
- Stomach, distention of, effect of, on conventional electrocardiograms, 160
- Strauss, Sidney, 646*
- Streptococcus, hemolytic, filtrate from, immunization against rheumatic fever with, 1
- Students, university, blood pressures, normal and abnormal, among, including cold-pressor test, 89
- Sturm, R. E., Kountz, W. B., Gilson, A. S., and Smith, J. R., 667
- Sugarman, H., and Buchbinder, W. C., 643*
- , Katz, L. N., Sanders, A. and Jochim, K., 244*
- Sutton, Frank C., Britton, J. A., and Carr, J. G., 423
- Sweeney, H. Morrow, 379*
- Sweeney, John A., 345
- Swift, Homer F., 776*
- Symonds, C. P., 650*
- Sympathectomy, rationale and technic of, for relief of vascular spasm of extremities, 257*
- Syphilis, endocarditis, bacterial, and, of aortic valve, 503*
- incidence of aortitis in a representative municipal hospital, 340
- of aortic valve, prognosis in, 777*
- of interventricular septum and ventricular tachycardia, 504*
- of pulmonary artery, 504*
- T
- Tachycardia, auricular, paroxysmal orthostatic, with unusual response to changes of posture, 366
- in infarction of myocardium and paroxysmal ventricular fibrillation, 503*
- paroxysmal, formation, rhythmic, of coupled beats and, in outer layers of myocardium, 374*
- in a child, treated with acetyl- β -methylcholine chloride (methylol), 111
- ventricular, syphilis of interventricular septum, 504*
- Taggart, John, Prinzmetal, M., Lewis, H. A., Wilkins, H., and Drury, D. R., 525

- deTakáts, Géza, and Reynolds, J. T., 125*
- , Scupham, G. W., Van Dellen, T. R., and Beck, W. C., 641*
- Taquini, Alberto C., 129
- , Cooke, W. T., and Schwab, R. S., 611
- , Massell, B. F., and Walsh, B. J., 295
- Taub, S. J., Shohet, A. S., and Kuper-smith, H., 125*
- Taylor, R. M., and Burton, A. C., 117*
- Teleoroentgenogram, comparison of orthodiagram with, 77
- Temperature, influence of, on development of gangrene in peripheral vascular disease, 249*
- Thacker, E. A., 89
- Theis, Frank V., and Freeland, M. R., 126*
- Theophylline ethylene-diamine (aminophyllin), effect of, on peripheral blood flow, 205
- with isopropanolamine in heart disease, with especial reference to congestive failure, 511*
- Thiamine, response of normal heart and heart in experimental vitamin B₁ deficiency to metabolites (pyruvic acid, lactic acid, methyl glyoxal, glyceraldehyde, and adenylic acid) and to, 34
- Thomas, C. A., and Cogswell, H. D., 257*
- Thomson, William A. R., 120*
- , and DeWesselow, O. L. V. S., 119*
- Thromboangiitis obliterans, treatment with sodium tetrathionate and sodium thiosulfate, 126*
- Thrombophlebitis, cerebral, 650*
- therapy of phlebothrombosis and, 126*
- Thyroidectomy, chromatrophic degeneration and rupture of aorta following, in case of hypertension, 599
- Tinney, W. S., Jr., 644*
- Tobacco, influence of, on arterial hypertension, 507*
- Tombeur, A., and van Bogaert, A., 377*
- Tomography, cardiovascular, 120*
- Tourniquet, application of, effect of, on hemodynamics of circulation, 254*
- Tuberculosis, pulmonary, cardiovascular system in, 345
- Tuchman, Lester R., Antopol, W., Boas, E. P., and Levison, W., 546
- Twaddle, Paul H., Jeffers, W. A., Lindauer, M. A., and Wolferth, C. C., 118*
- U**
- Ulcer, varicose, use of vitamin B₁ for relief of pain of, 256*
- Uremia, myocardium, degeneration of, associated with advanced hypertensive disease and chronic glomerular nephritis, 246*
- Urine, retention, postoperative, of, action of β -methylcholine urethane in various normal and abnormal conditions, especially, 512*
- V**
- Vague, Jean, and Jouve, A., 516
- Valsalva's experiment, studies on venous pressure during, 515 (B. rev.)
- Valve, aortic, endocarditis, bacterial, and syphilis of, 503*
- insufficiency, functional, of, 246*
- of, prognosis in syphilis, 777*
- stenosis, experimentally produced, of, 119*
- lesions of, changes in coronary circulation following increased aortic pressure, augmented cardiac output, ischemia and, 251*
- mitral, disease, rheumatic, early, of, phonocardiographic studies of, 295
- subclinical, of, 646*
- stenosis of, as cause of angina pectoris, 492
- in incidence of auricular fibrillation in, with congestive failure, 123*
- left auricle with capacity of 1,695 grams of blood in case of, 627
- pulmonic, stenosis, experimentally produced, of, 119*
- tricuspid, disease, rheumatic, of, 247*, 647*
- Van Dellen, Theodore R., Scupham, G. W., deTakáts, G., and Beck, W. C., 641*
- Van Epps, E. F., Hyndman, O. R., and Greene, J. A., 248*
- Vascular system, disease of, occlusion of, calcium, intravenous, in, 127*
- review of recent literature, 641*
- treatment, surgical, of, critical review of, 641*
- peripheral, disease of, 649*
- amputation for, 125*
- application of photoelectric plethysmography, 750
- diagnosis of, circulation time (magnesium sulphate method), 375*
- influence of temperature on development of gangrene in, 249*
- intervention, surgical, on sympathetic nervous system for, 249*
- I. Intravenous calcium in occlusive vascular disease, 127*
- plethysmography of skin in investigation of, 375*
- role of arteriovenous anastomosis in, 539

- Vascular system, peripheral, Cont'd—
 disorder of, 514 (B. rev.)
 effect of cigarette smoking and deep breathing on, 246*
 resistance, increased, hemicaudiac hypertrophy due to. Study of pulmonic and aortic stenosis experimentally produced, 119*
 tone of, adjustment of, to requirement of regulation of body temperature, 117*
- Vasomotor system, action of, study of alleged quantitative criteria of, 380*
 response of, to adrenaline and to carotid sinus impulses in normal, skinned and denervated dogs, 118*
- Vaughan, Edwin W., and Porter, William B., 509*
- Veal, James Ross, 252*
- , and Hussey, H. H., 308
- Veins, axillary and subclavian, thrombosis of, with a note on post-thrombotic syndrome, 252*
 obstruction of, detection of, use of exercise test in connection with venous pressure measurement for, 308
 intracranial pressure, increased, attributed to, beneficial effect of upright posture, 256*
 occlusion, intermittent, treatment of traumatic thrombosis of brachial artery by, 257*
 thrombosis of, therapy of, and thrombophlebitis, 126*
 postoperative, and pulmonary embolism, 252*
 varicose, treatment of, 257*
 injection of, pulmonary embolism following, 256*
- Ventricle, right, and left, hypertrophy of, relation of coronary sclerosis to heart weight and, 125*
 failure of, 505*
 hypertrophy of, of unknown origin: so-called pulmonary hypertension, 505*
- Victor, Joseph C., Patek, A. J., Jr., and Post, J., 509*
- , Weeks, D. M., Steiner, A., and Mansfield, J. S., 642*
- Viscera, abdominal, effect of distension of, on blood flow in circumflex branch of left coronary artery of dog, 519
- Viscosity, effects of, on coronary blood flow measured under a constant perfusion pressure, 382*
- Vitamins, A, B, C, and D, effect of large doses of, on incidence of upper respiratory infections of a group of rheumatic children, 776*
- Vitamins, Cont'd—
 B₁, deficiency, experimental, of, responses of normal heart and heart in, to metabolites (pyruvic acid, lactic acid, methyl glyoxal, glyceraldehyde, and adenylic acid) and to thiamin, 34
 B₁, use of, for relief of pain of varicose ulcers, 256*
- Volk, Marie C., Altschule, M. D., and Henstell, H., 643*
- W
- Wachstein, M., and Gottdenker, F., 782*
- Wakerlin, G. E., and Gaines, W., 507*
- Wakim, Khalil G., Essex, H. E., and Mann, F. C., 486
- Walsh, Bernard J., and Sprague, Howard B., 111
- , Taquini, A. C., and Massell, B. F., 295
- Walzer, Leo, 123*
- Warren, Madeleine Field, Drinker, C. K., Maurer, F. W., and McCarrrell, J. D., 253*
- Wasson, Valentina P., and Brown, E. E., 1
- Weatherby, F. E., and Wiley, N. H., 648*
- Wedig, John H., and Lutten, D., 123*
- Weeks, David M., Steiner, A., Mansfield, J. S., and Victor, J., 642*
- Wegner, Carl, Jensen, J., Keys, E. H., Jr., and Smith, H. R., 253*
- Wégria, René, Essex, H. E., Herrick, J. F., and Mann, F. C., 557
- Weichsel, H. S., 127*
- Weisman, S. A., 21
- Weiss, Soma, and Haynes, F. W., 34
- , Kinney, T. D., and Maher, M. M., 509*
- Weissberg, Jonas, and Scherf, D., 775*
- Werley, G., 256*
- White, Paul D., Foote, S. A., Jr., Reed, W. C., and Comeau, W. J., 255*
- Wiggers, Carl J., 399, 413
- , Dingle, J. T., Kent, G. T., and Williams, L. L., 380*
- Wiley, N. H., and Weatherby, F. E., 648*
- Wilkins, Howard, Prinzmetal, M., Lewis, H. A., Taggart, J., and Drury, D. R., 525
- Williams, Guy H., Jr., Kline, E. M., and Fetterman, J. L., 702
- Williams, J. R., Jr., Grollman, A., and Harrison, T. R., 257, 507, 782*
- Williams, L. L., Dingle, J. T., Kent, G. T., and Wiggers, C. J., 380*

- Winternitz, Milton C., and LeCompte, P. M., 382*
- Wolferth, Charles C., Jeffers, W. A., Lindauer, M. A., and Twaddle, P. H., 118*
- , and Wood, F. C., 12
- Wolff, Louis, and Brown, M. G., 776*
- Wood, Francis C., and Wolferth, C. C., 12
- Wood, Paul, 127*
- Wood, W. Barry, Jr., and Matthews, E., 122*
- Wosika, Paul H., and Maher, C. C., 513
- Wright, Irving, 124*
- Wuhrmann, F., 515
- X
- Xanthin derivative, alkyl, comparison of coronary vasodilator activity of, 781*
- Y
- Ylvisaker, L. S., and Kirkland, H. B., 592
- Z
- Zdansky, Erich, 384
- Zeller, J. Wallace, Bennett, G. A., and Bauer, W., 247*

